# 旭子F10键盘测试文档

### 打开键盘

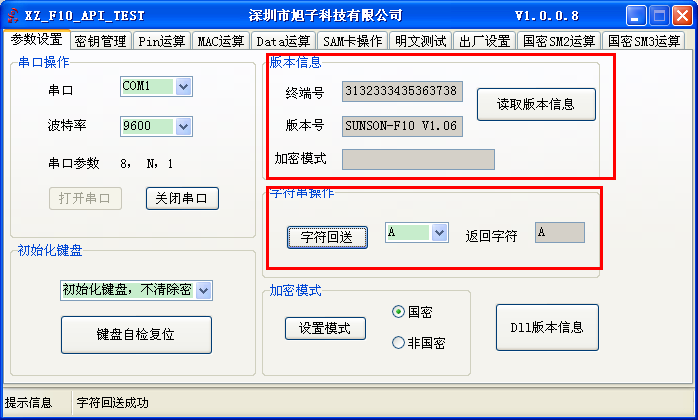


选择键盘连接的串口号，波特率使用9600

点击打开串口，成功后提示



### 读取版本信息和字符回送



### 3.明文测试



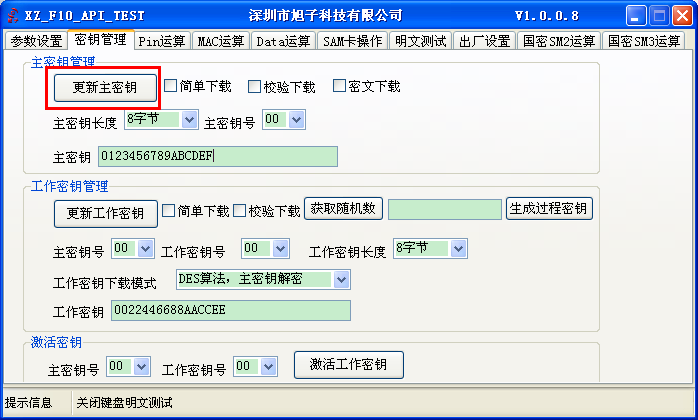
选择参数，点击打开键盘

按键盘按键进行明文测试

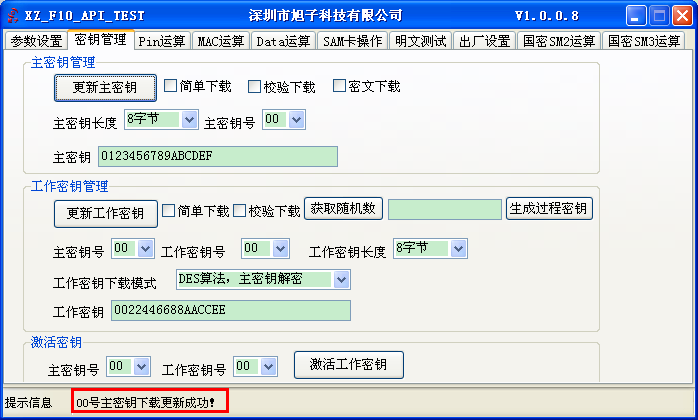


明文测试结束后，点击关闭键盘按钮

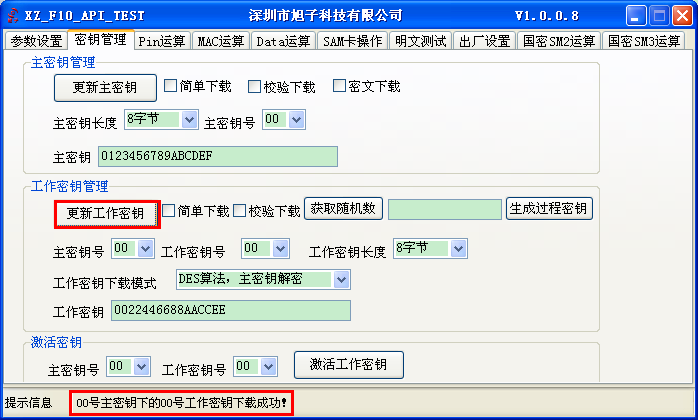
### 4.密钥管理



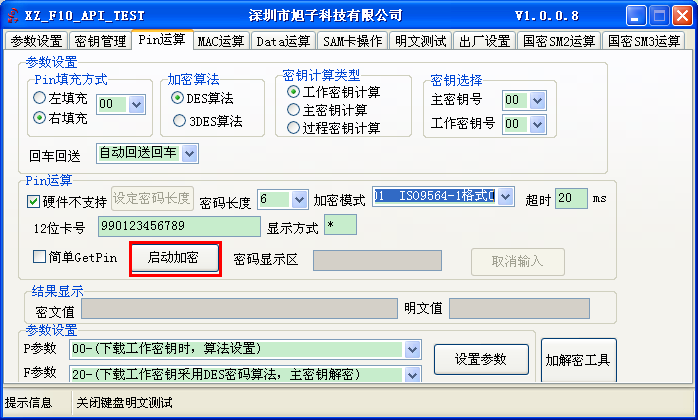
#### 更新主密钥，点击更新主密钥，如果成功提示



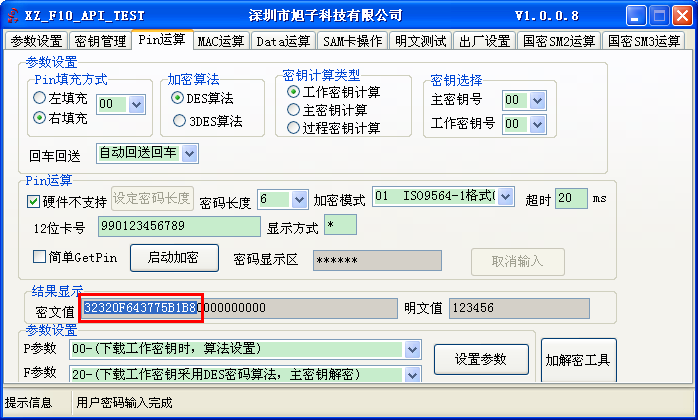
#### 更新工作密钥



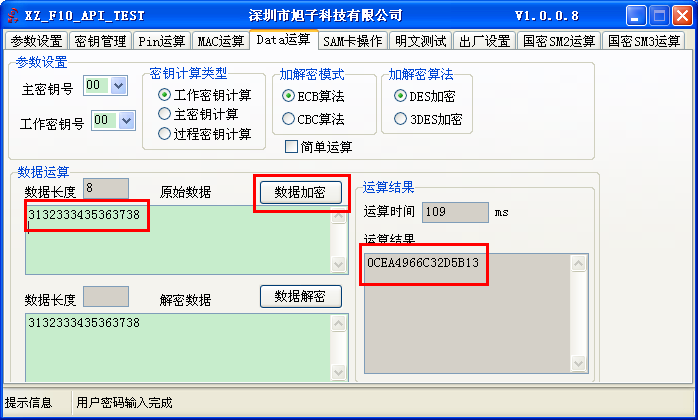
### 5.Pin测试



点击启动加密，在键盘上输入123456， PINBLOCK结果为32320F643775B1B8



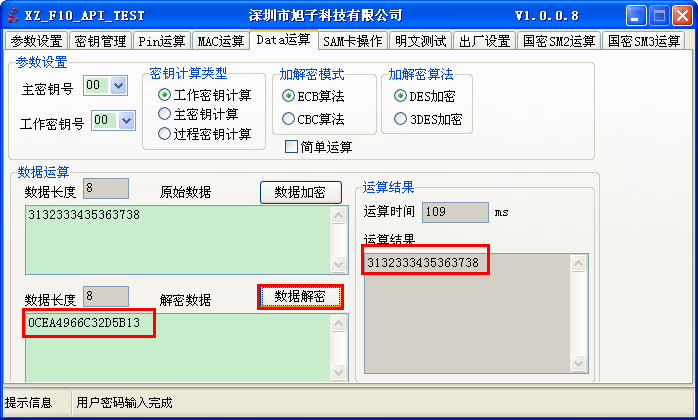
### 6.数据运算



数据3132333435363738

加密结果 0CEA4966C32D5B13

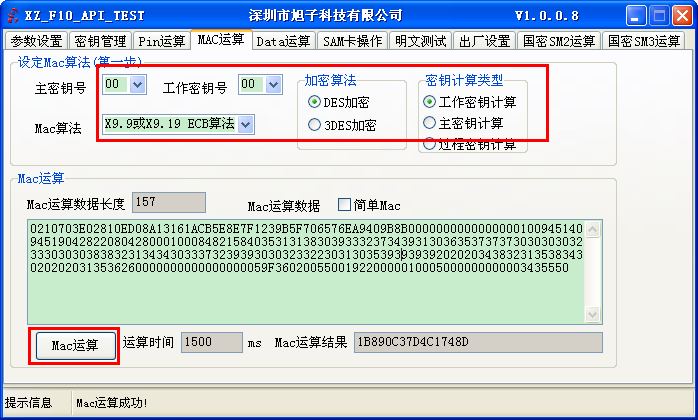
### 7.数据解密



数据0CEA4966C32D5B13

解密结果3132333435363738

### 8.MAC运算



Mac数据：

0210703E02810ED08A13161ACB5E8E7F1239B5F706576EA9409B8B0000000000000000100945140945190428220804280001000848215840353131383039333237343931303635373737303030303233303030383832313434303337323939303032332230313035393939392020203438323135383430202020313536260000000000000000059F360200550019220000010005000000000003435550

结果：1B890C37D4C1748D